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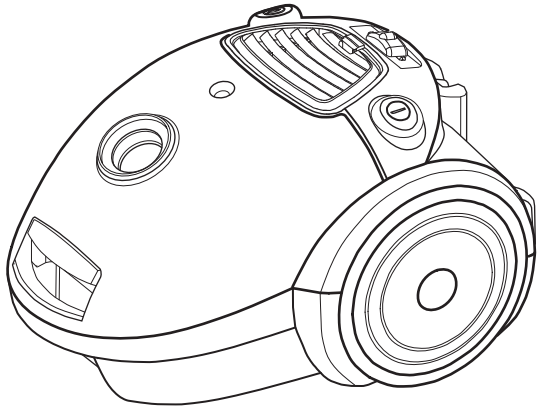
# VACUUM CLEANER
# SERVICE MANUAL

**MODEL:** VCP963STC

**CAUTION**

BEFORE SERVICING THE UNIT, READ THE
"SAFETY PRECAUTIONS" IN THIS MANUAL.



P/No.: MFL35765573

AUG. 2008
Printed in China

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# SAFETY PRECAUTIONS

**BEFORE OPERATING THIS VACUUM CLEANER, READ THIS SERVICE MANUAL THOROUGHLY, AND OBSERVE EACH POINT CAREFULLY.**

### 1. Change the paper bag or clean the cloth bag or empty the dust tank or clean the clean filter assembly in case the indicator moves toward red.

1) If the dust bag or dust tank is full, intake power will be reduced.
2) When the dust bag or dust tank is full of dust, pull out the dust bag from the inside of body base.

### 2. Filter

1) The filter is composed of a moter safety filter, an exhaust filter and a paper bag or a cloth bag or clean filter assembly.
2) Never use the vacuum cleaner without filters. It may harm to the motor.
3) When the cloth bag, the moter safety filter and the exhaust filter are soiled, wash the filter with neutral cleanser.

**Note** : Re-use of the cloth bag, clean filter and exhaust filter.

- Never wash the filter in a washing machine or in a dishwasher.
- Never use hot water for washing the filter.
- Re-use the filter after drying it completely in the shade.
- Do not dry near fire or direct sun ray.

### 3. Dust indicator

Dust indicator shows you red color when the filter is full of dust.
Then, change the paper bag with new one or clean the cloth bag or empty the dust tank or clean the clean filter assembly.

### 4. Avoid suction such materials as:

1) Liquid or wet dust: Clogging the ventilation holes, reduces the intake power significantly and harms the motor.
2) Inflammable liquids such as benzene, alcohol or solvents.
3) Burning objects such as cigarette butts.
4) Bulky objects such as vinyl, paper, etc.
5) Sharp objects such as needles, pins, metal or glass particles, etc.

### 5. Attachments

- Nozzle : For cleaning wooden floor, the room floor and carpet.
- Crevice Tool: for cleaning any crevice, inside corners of window frames.However, do not use the crevice tool more than 20 minutes because it may cause harm to the motor.
- Dusting brush : For cleaning clothes curtains.

### 6. Close supervision is necessary when this vacuum cleaner is used by or near children. Children's carelessness may cause damage to the cleaner or injure persons.

### 7. Air exhausted from the vacuum cleaner is normally warm. But if extraordinarily hot air is exhausted, check if the extension wands, hose or dust bag is clogged or not.

### 8. Electric shock could occur if used outdoors or on wet surfaces.

# CAUTIONS

**BEFORE ATTEMPTING TO SERVICE OR ADJUST ANY PART OF THE VACUUM CLEANER, DISCONNECT THE ELECTRICAL POWER SUPPLY CORD FROM THE WALL OUTLET.**

### 1. Motor exchange

1) Separate the body cover and body base by unfastening the screws.
2) Disconnect the lead wires.
3) Lift the old motor and replace it with a new one.

### 2. In case of exchanging other parts, refer to the exploded view.



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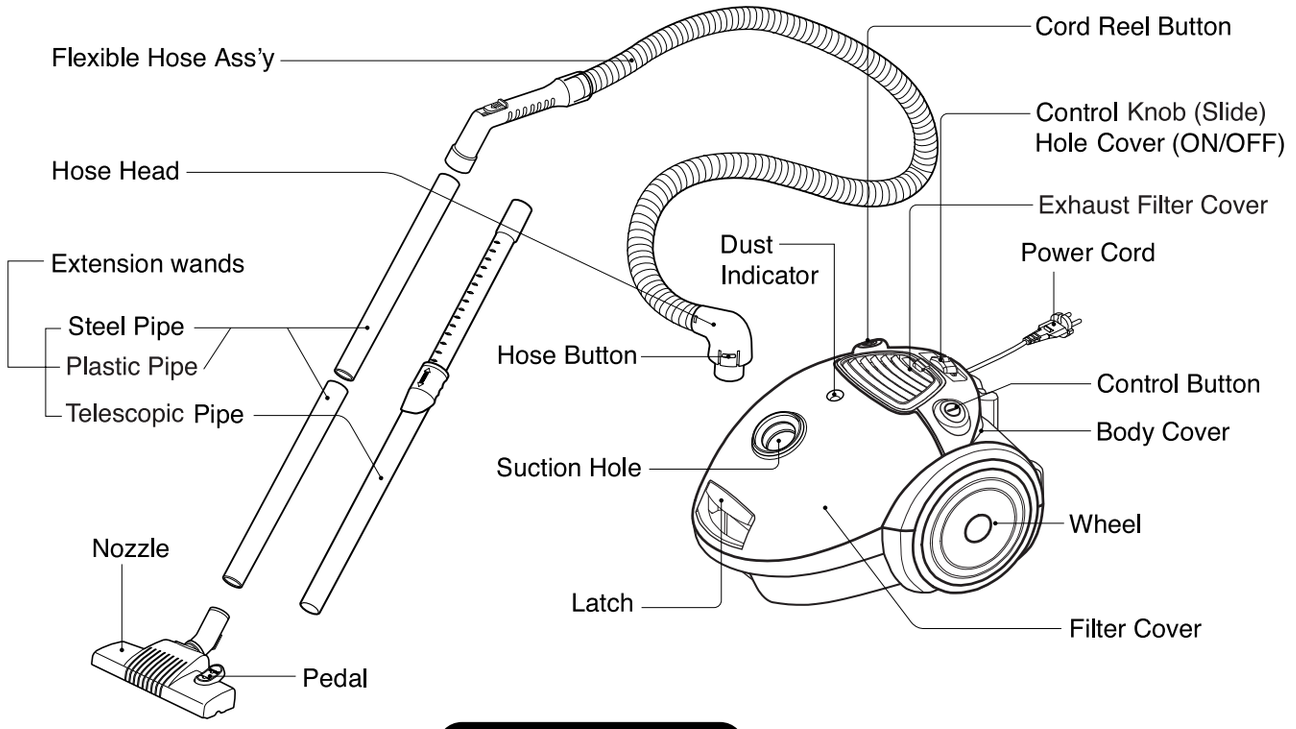
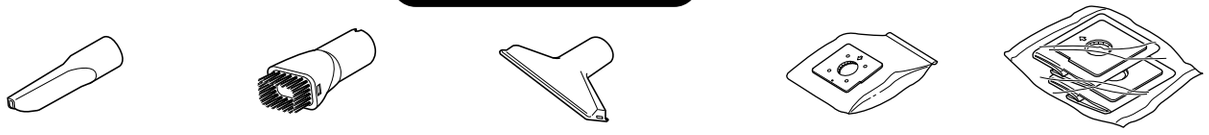
# DESCRIPTION




## ATTACHMENTS



Crevice Tool (On Board) | Dusting Brush (Option) | Upholstery Nozzle (Option) | Cloth Bag (Option) | Paper Bag (Option)

# SPECIFICATIONS

- **MODEL :** REFER TO THE COVER PAGE
- **POWER SOURCE :** ON RATING PLATE
- **POWER CONSUMPTION :** ON RATING PLATE
- **POWER CONTROL :**
  **- MAIN :** BODY SLIDE OR ON/OFF ON BODY
- **CAPACITY :** 2.6 *l* (BAG) /1.5 *l* (BAGLESS)
- **CORD LENGTH :** 5/6 m
- **HOSE LENGTH :** 1.5 m
- **NET WEIGHT :** 3.8 kg (BAG)/4.13kg(BAGLESS)
- **PACKING WEIGHT :** 6.3 kg (BAG)/ 7kg (BAGLESS)
- **NET DIMENSION :** 275 x 380 x 220 (W x D x H)mm
- **PACKING DIMENSION :**
  315 x 480 x 275 (W x D x H)mm - with steel pipe/plastic pipe
  315 x 535 x 275 (W x D x H)mm - with telescopic pipe
- This specifications are subject to change according to the buyer's request.

- **ATTACHMENTS**

HOSE ..... 1EA

STEEL PIPE ASS'Y
TELESCOPIC PIPE ASS'Y
PLASTIC PIPE ASS'Y
OR .....1EA

NOZZLE ASS'Y .....1EA

CREVICE TOOL (ON BOARD) ..... 1EA

DUSTING BRUSH (OPTION) .....1EA

CLOTH BAG ASS'Y
PAPER BAG ASS'Y
OR .....1EA

UPHOLSTERY NOZZLE (OPTION).....1EA

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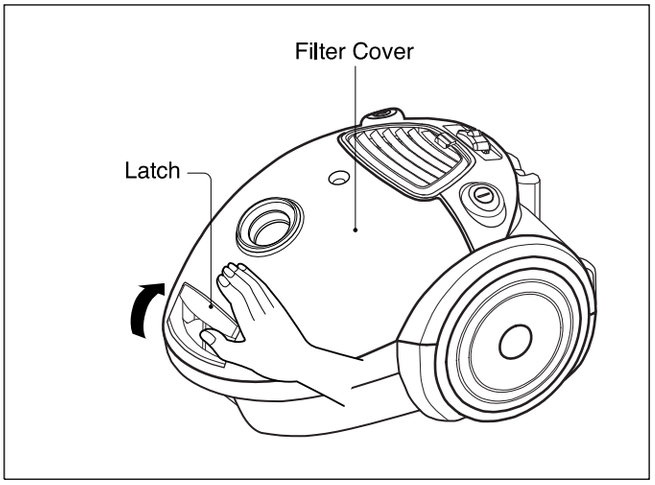
# DISASSEMBLY

**NOTE:** Before attempting to service or adjust any part of the vacuum cleaner, disconnect the electrical power supply cord from the wall outlet.

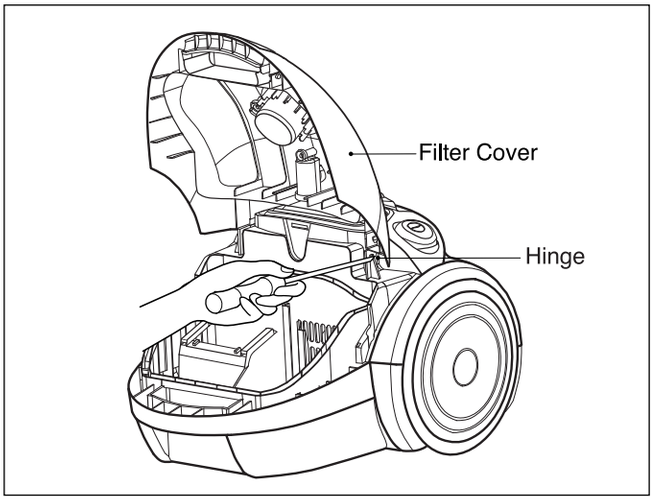
- Almost all of the parts of this vacuum cleaner can be disassembled with a screw driver and each connecting component easily fits each other.
  Disassemble one by one referring to the exploded view.
- If possible, don't disassemble except for the necessary parts. It is not necessary to disassemble the parts that are not detailed in the exploded view.

## 1. Filter Cover Assembly Replacement

1) Open filter cover by pushing cover latch.

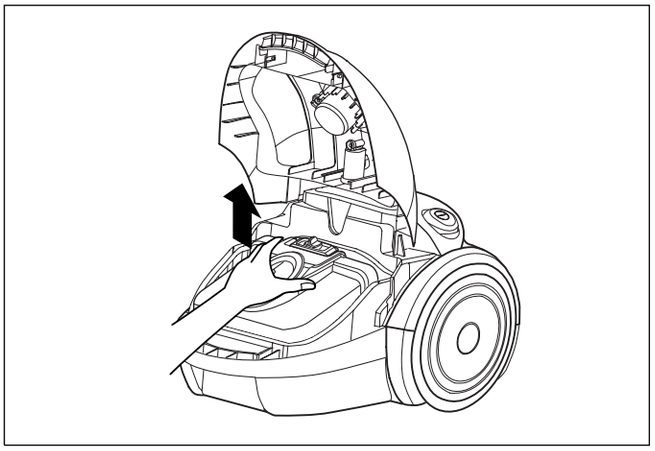



2) First, lift the filter cover
   - Push the hinge side by inserting flat screw driver in gap between hinge and filter cover.
     Then the “filter cover” will be detached.

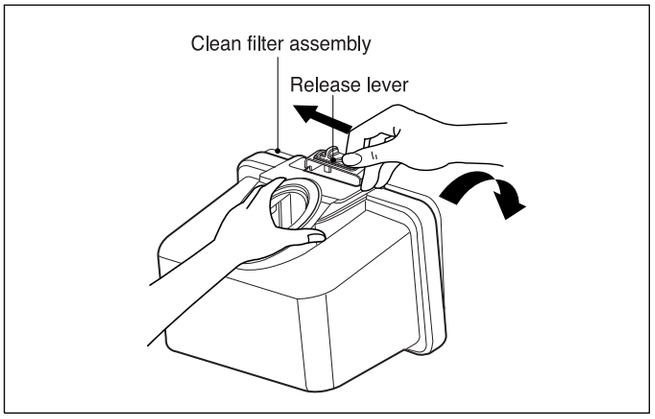



## 2. Dust Tank Replacement

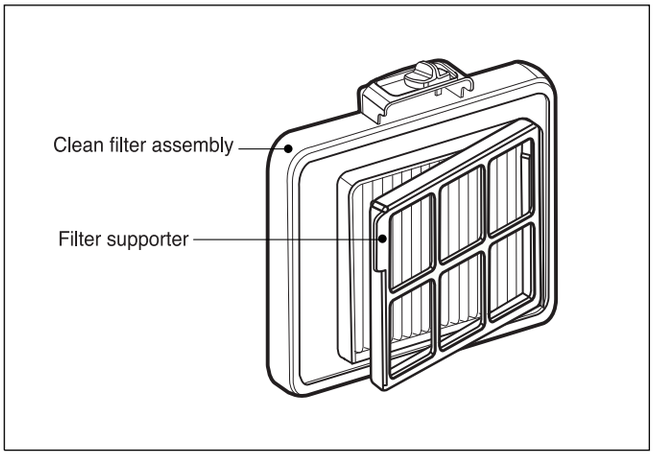
1) Pull the dust tank assembly up.



2) Hold the handle of the clean filter assembly and pull it out of the dust tank.




3) Pull the filter supporter down from the clean filter assembly.





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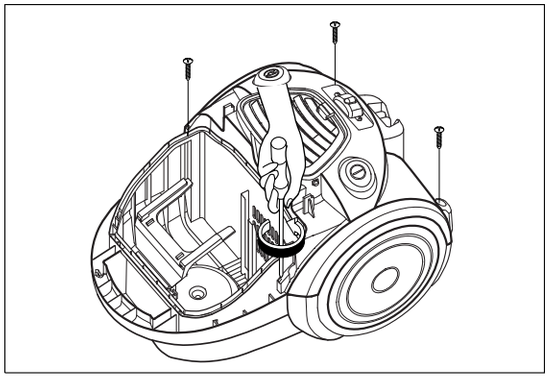
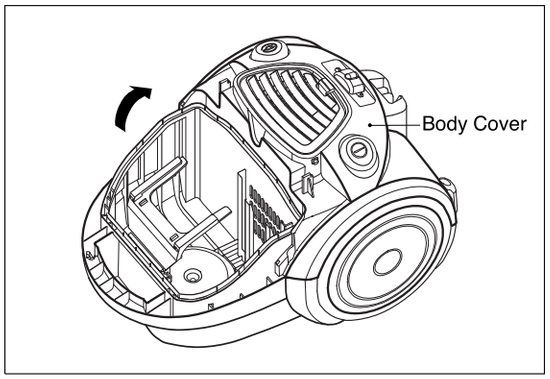
## 3. Body Cover Assembly Replacement

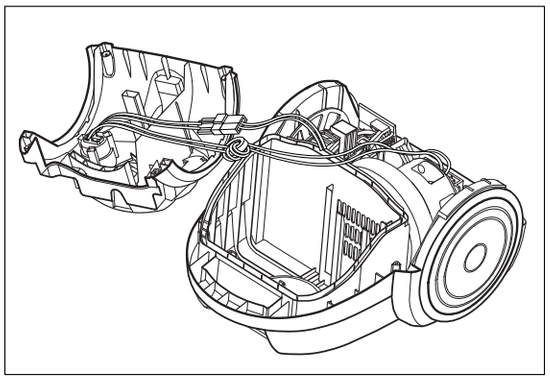
1) Remove the four screws fastening the body base.



2) Lift body cover in the direction of the arrow.

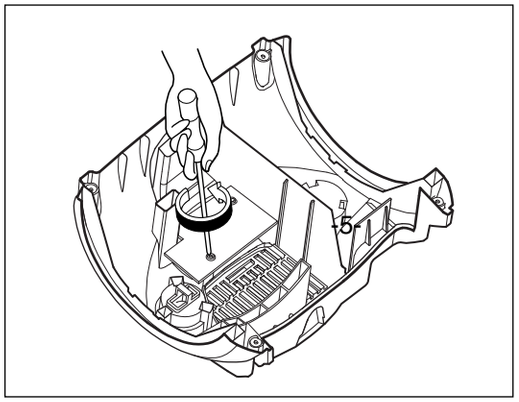



3) Strip off the lead wires from the motor & cord reel.



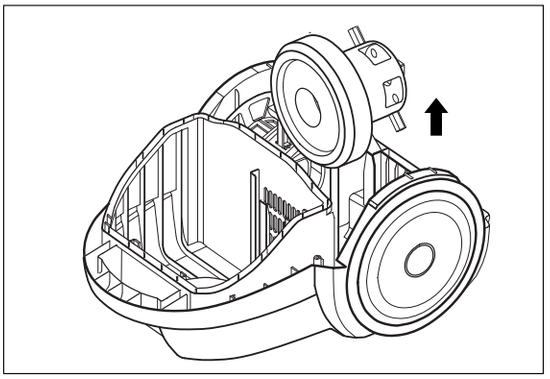
## 4. P.W.B Assembly Replacement

• Remove two screws by unfastening from P.W.B on the body cover, and then lift the P.W.B.



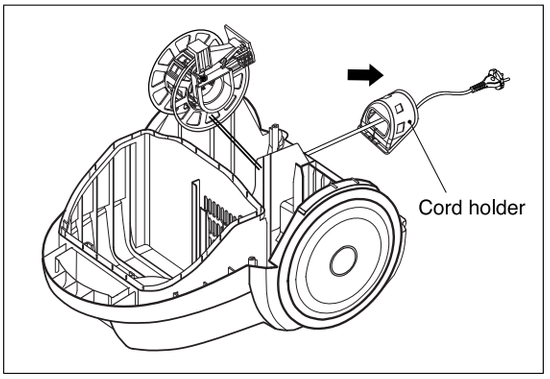
## 5. Motor Assembly Replacement

• Lift the motor assembly in the direction of the arrow after stripping off the lead wires.

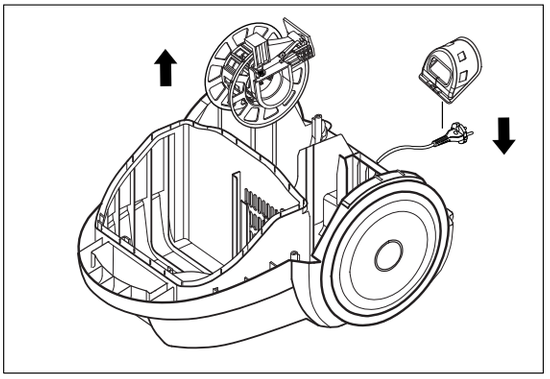


## 6. Cord Reel Assembly Replacement

1) Must detach cord holder first.




2) Lift the cord reel assembly from the body base in the direction of the arrow.





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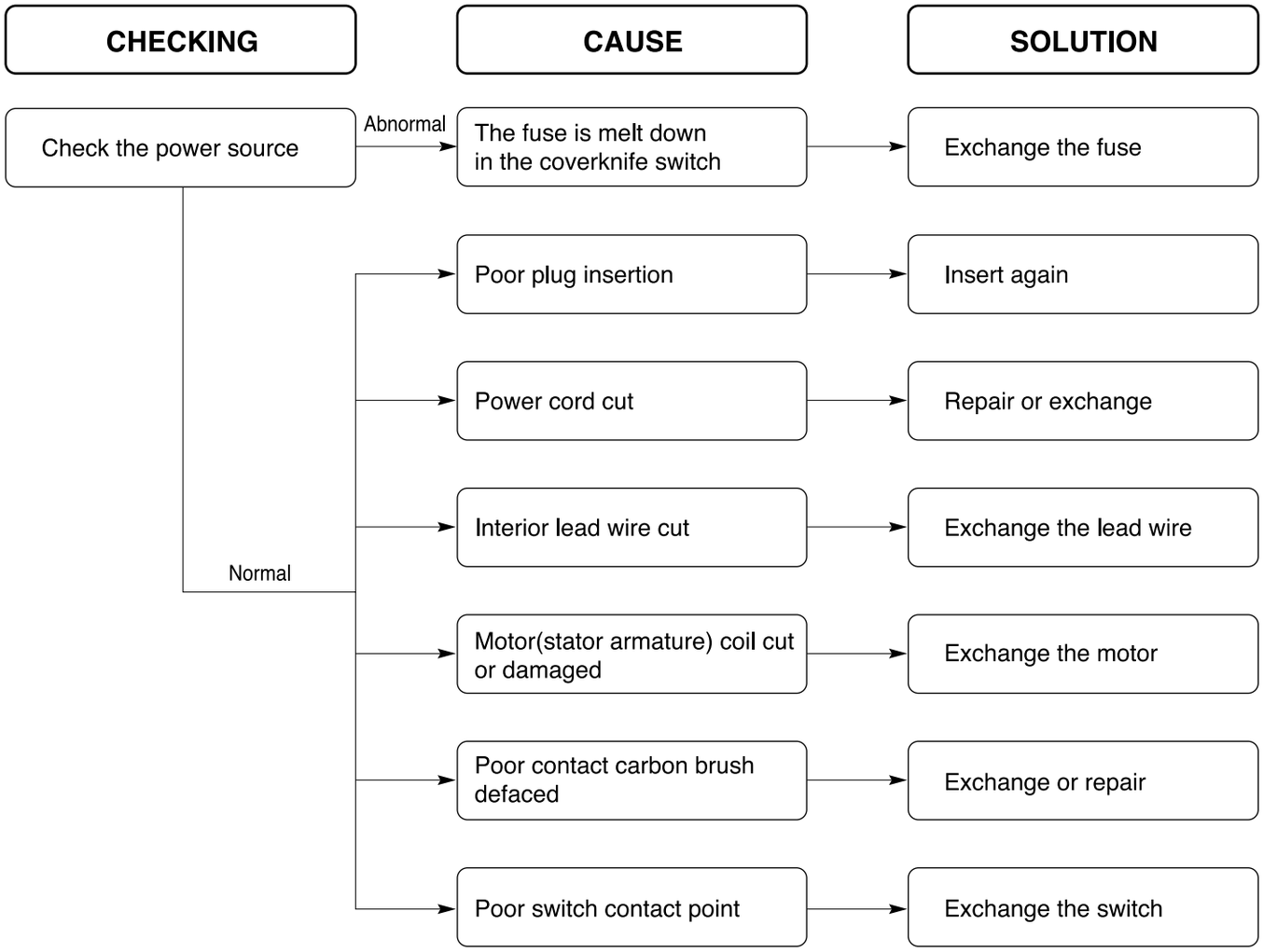
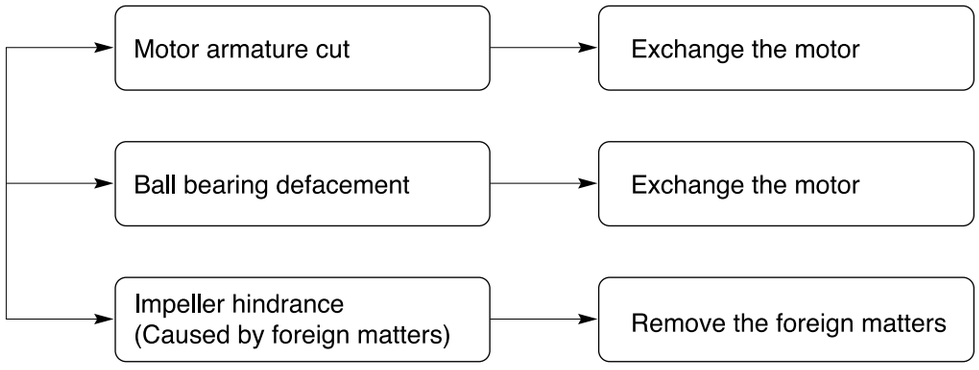
# TROUBLE SHOOTING

## 1. SWITCH ON BUT MOTOR DOSE NOT RUN.




## 2. SWITCH ON, MOTOR DOES NOT RUN BUT BUZZES.





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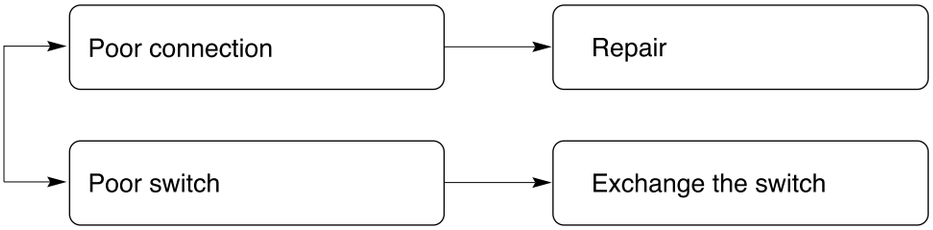
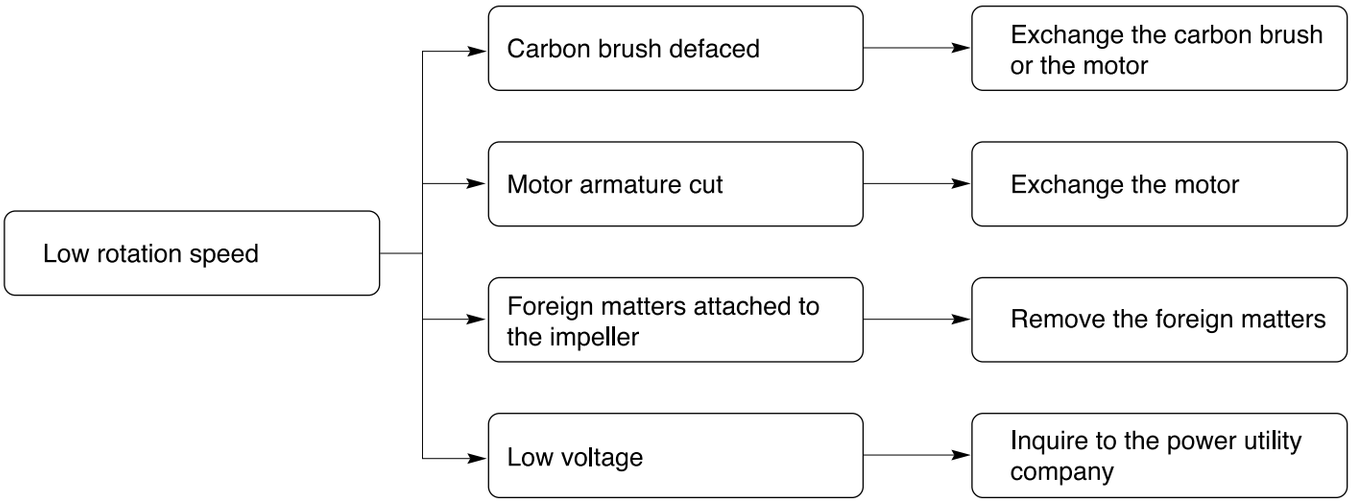
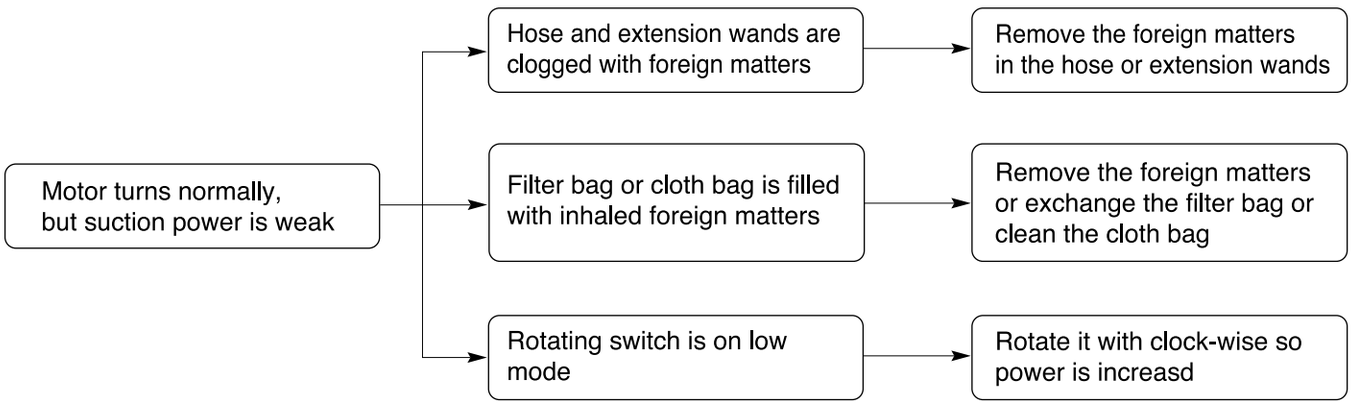
## 3. SWITCH OFF BUT MOTOR RUNS.




## 4. WEAK SUCTION POWER


Low rotation speed
Carbon brush defaced
Exchange the carbon brush or the motor
Motor armature cut
Exchange the motor
Foreign matters attached to the impeller
Remove the foreign matters
Low voltage
Inquire to the power utility company


Motor turns normally, but suction power is weak
Hose and extension wands are clogged with foreign matters
Remove the foreign matters in the hose or extension wands
Filter bag or cloth bag is filled with inhaled foreign matters
Remove the foreign matters or exchange the filter bag or clean the cloth bag
Rotating switch is on low mode
Rotate it with clock-wise so power is increasd

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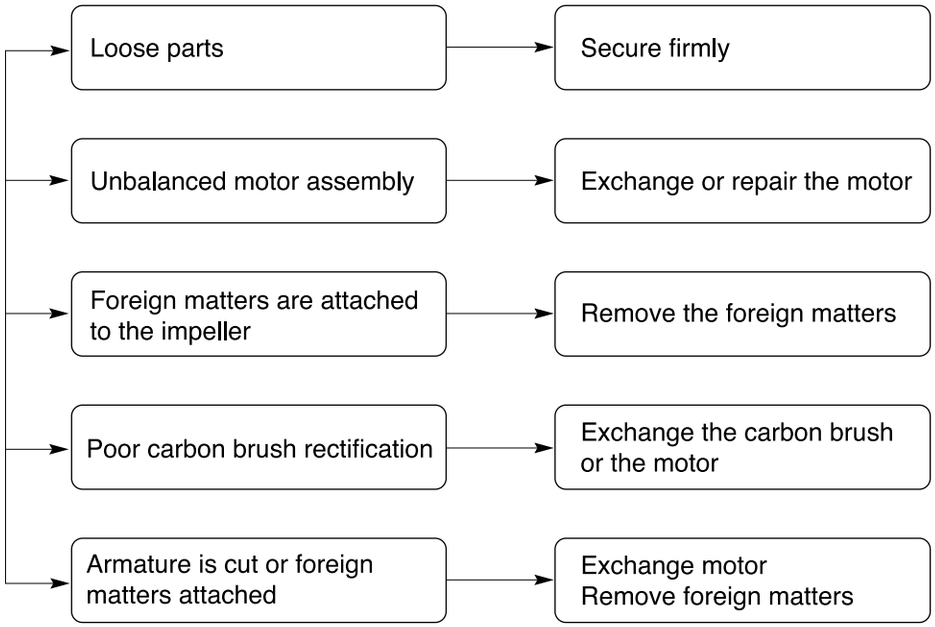
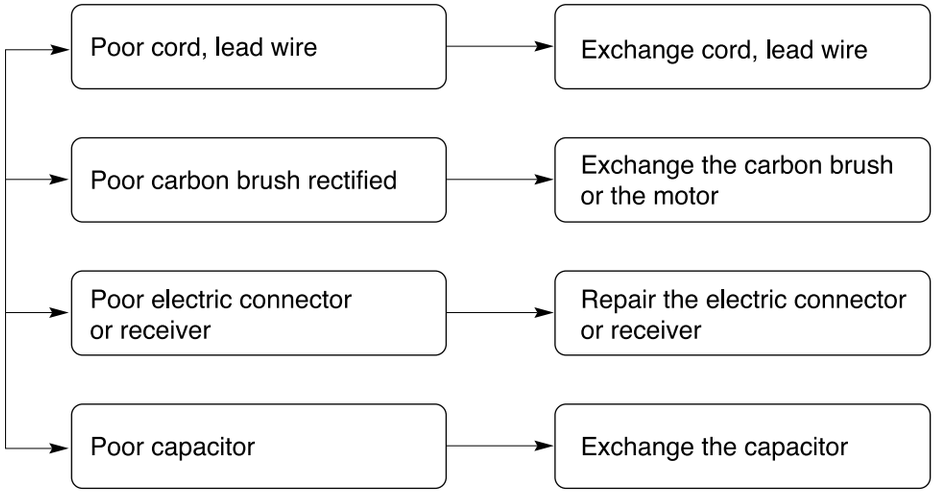
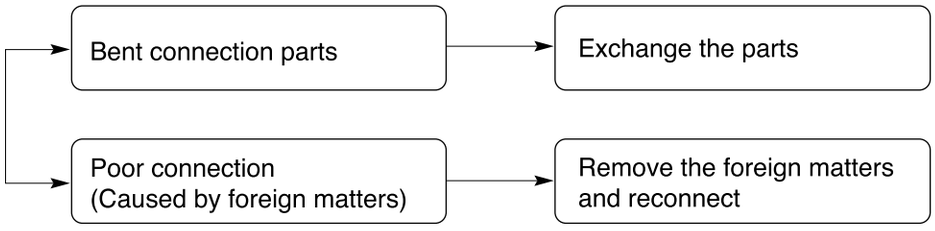
## 5. VIBRATION NOISES


Loose parts
Secure firmly
Unbalanced motor assembly
Exchange or repair the motor
Foreign matters are attached to the impeller
Remove the foreign matters
Poor carbon brush rectification
Exchange the carbon brush or the motor
Armature is cut or foreign matters attached
Exchange motor
Remove foreign matters

## 6. RADIO, TV RECEPTION DISTURBANCE


Poor cord, lead wire
Exchange cord, lead wire
Poor carbon brush rectified
Exchange the carbon brush or the motor
Poor electric connector or receiver
Repair the electric connector or receiver
Poor capacitor
Exchange the capacitor

## 7. IMPROPER TUBE OR NOZZLE CONNECTION





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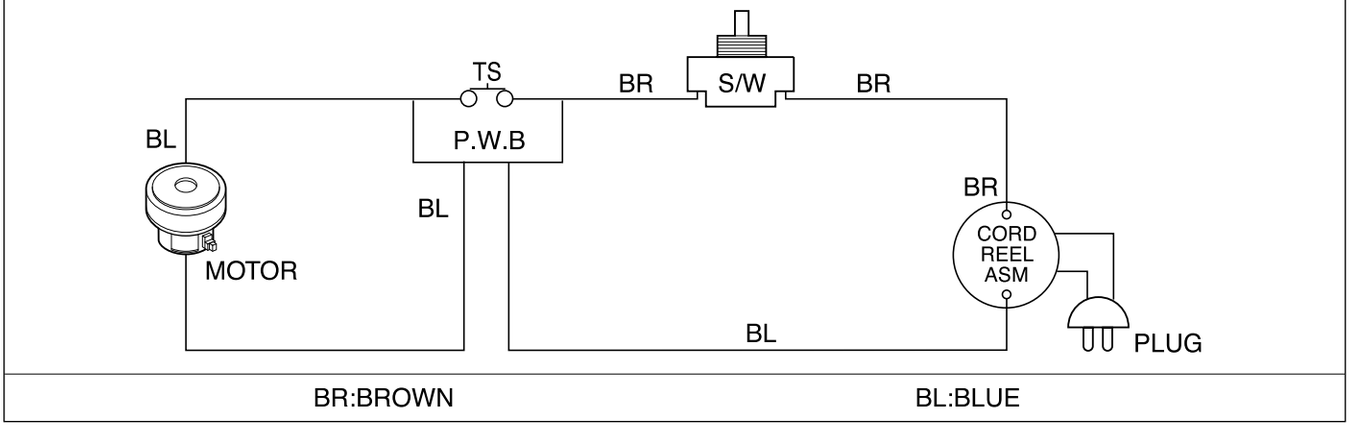
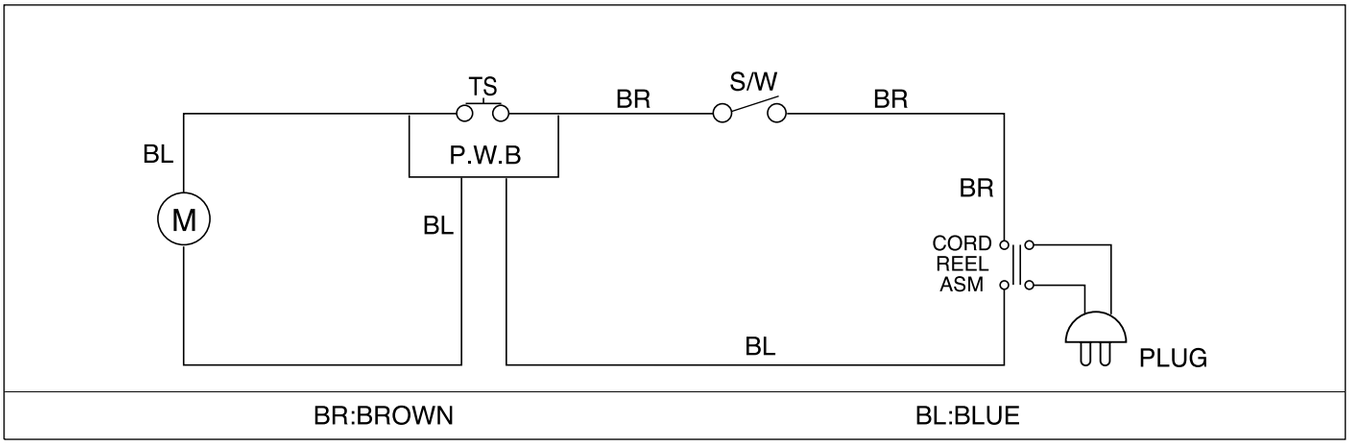
# BLOCK DIAGRAM




# SCHEMATIC DIAGRAM

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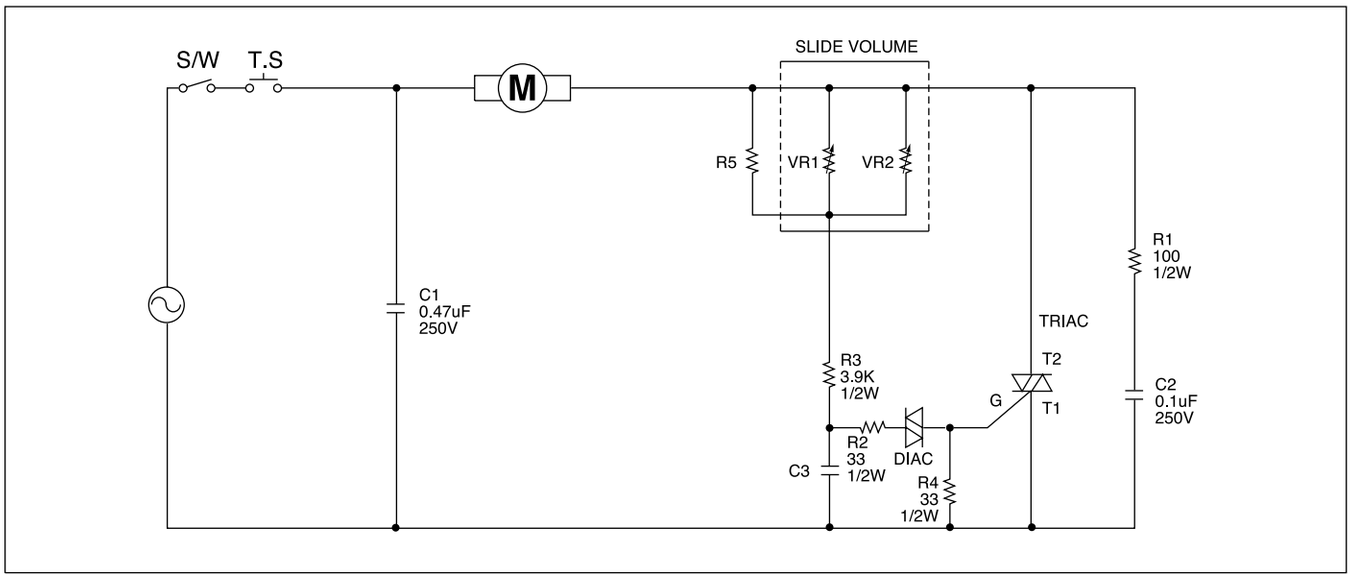
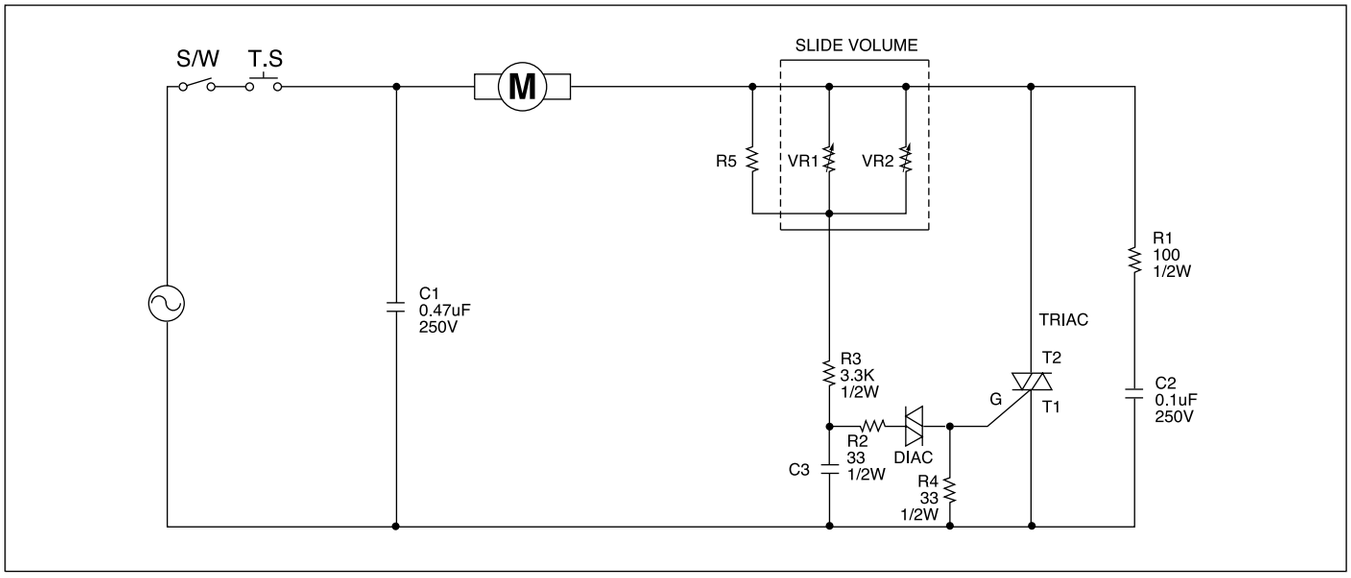
# CIRCUIT DIAGRAM

## 220~240V/50,60Hz




## 120~127V/50,60Hz



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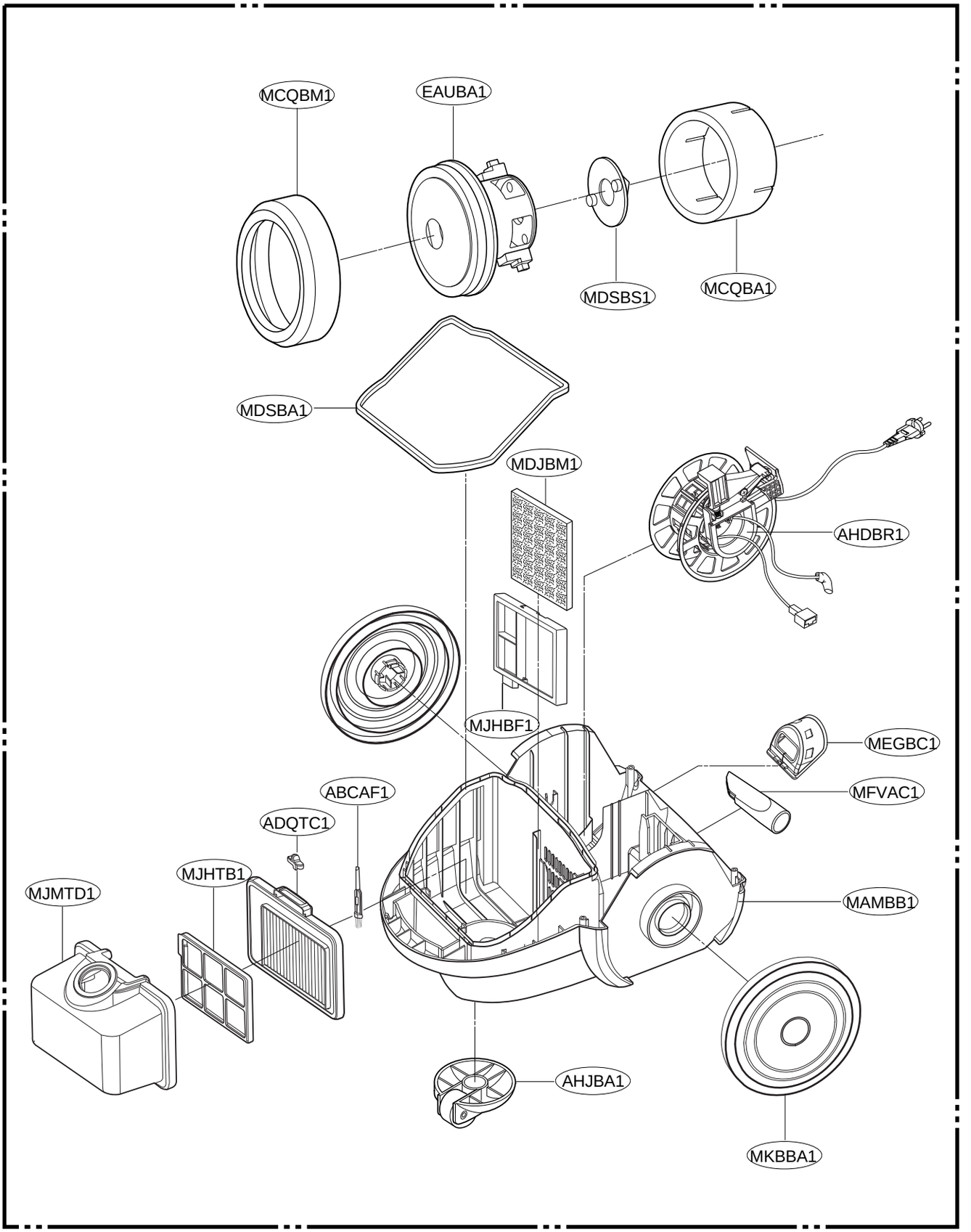
# EXPLODED VIEW

## BASE ASSEMBLY, BODY (DUST TANK STYLE)

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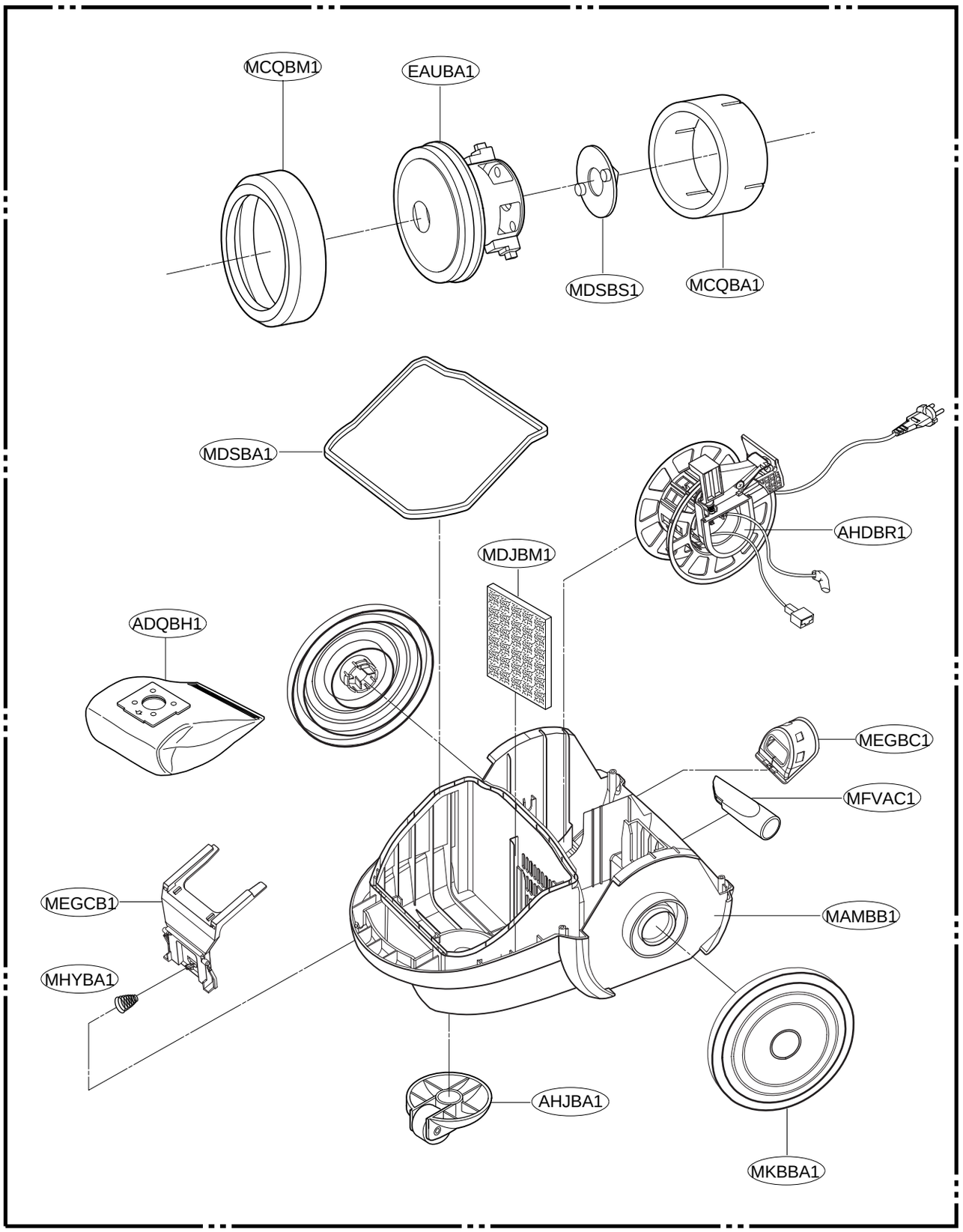
# EXPLODED VIEW

## BASE ASSEMBLY, BODY (BAG STYLE)



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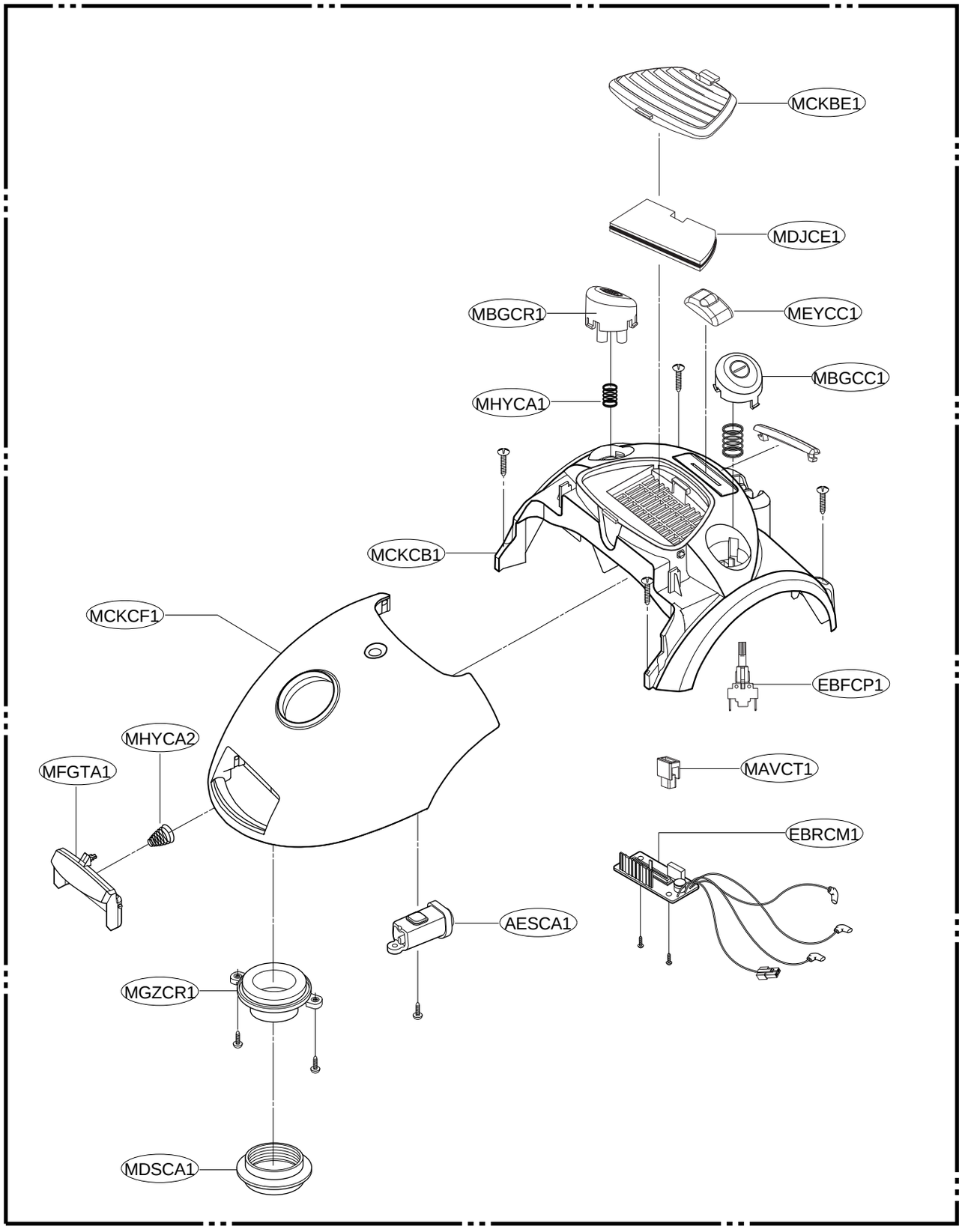
## COVER ASSEMBLY, BODY

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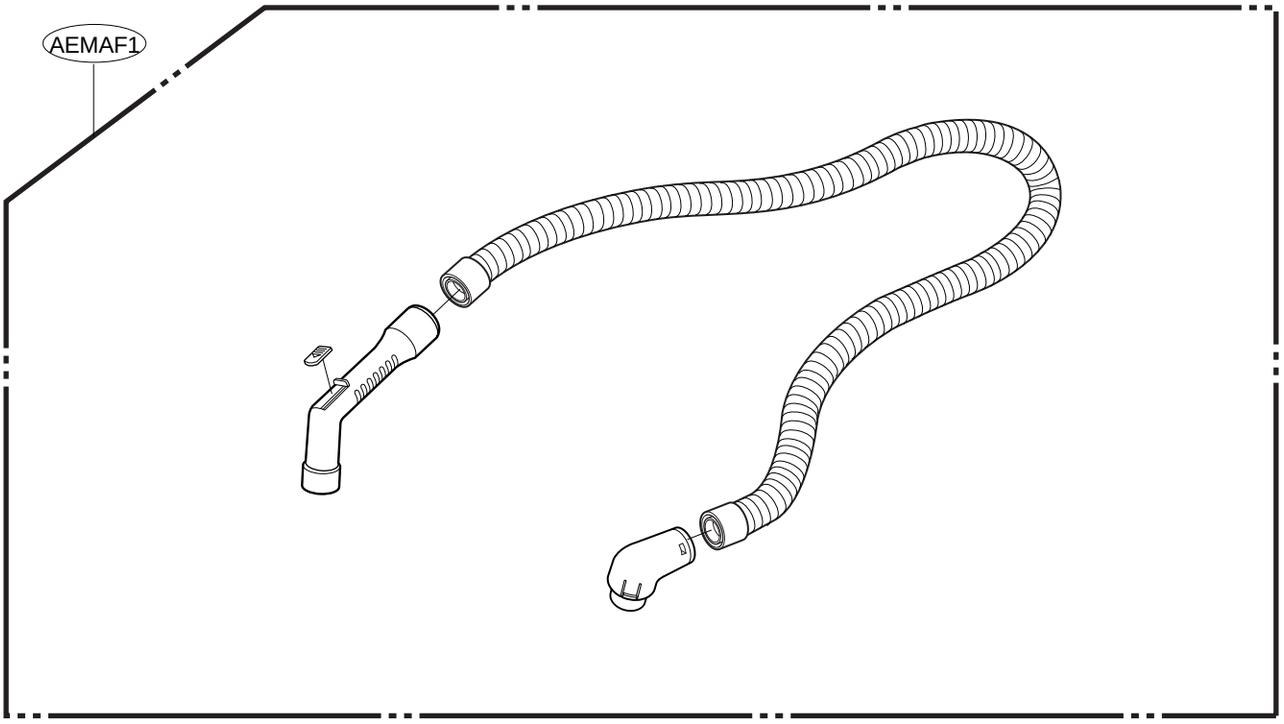


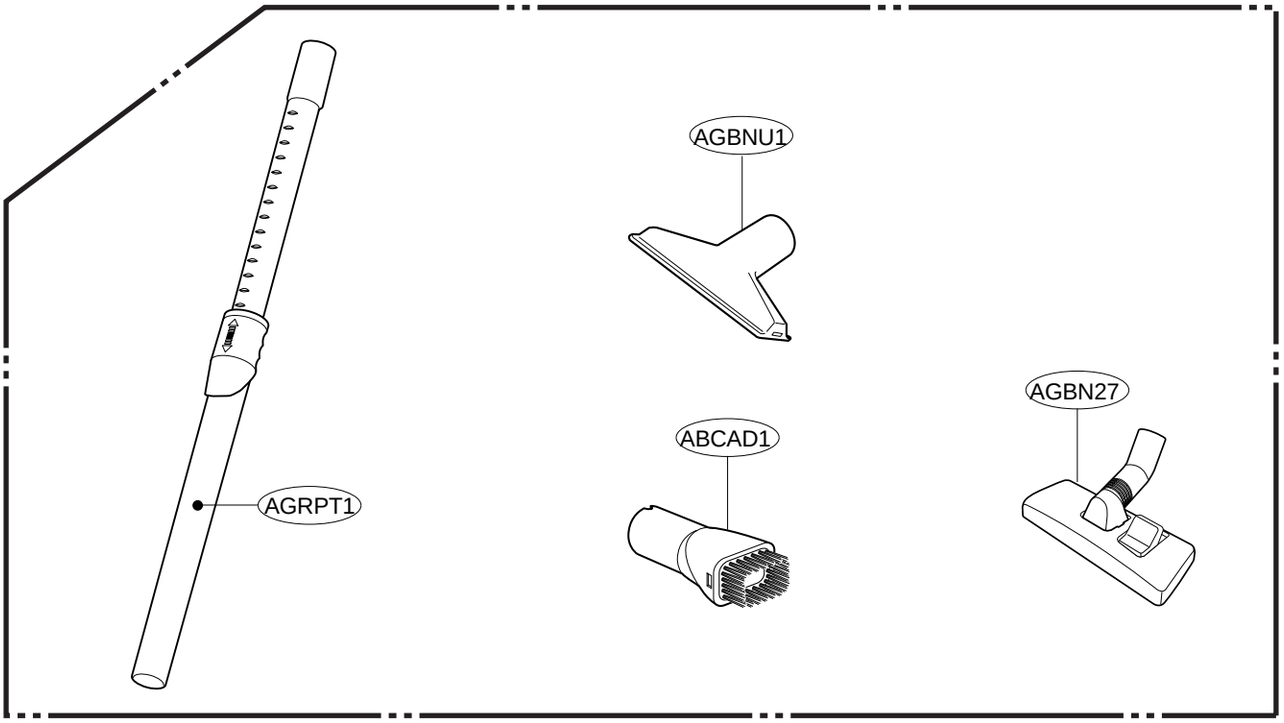



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